

What is claimed is:

1 1. A pliable handle comprising:

2 a core member having a core member main part and first and second sealers at
3 respective ends of the core member main part, the core member main part having first and
4 second annular flanges, which partially define a gel-containing portion therebetween,
5 provided near respective ends of the core member main part, and at least one gel injection
6 through bore formed through the first annular flange;

7 an outer sheath disposed about the core member main part; and

8 a gel disposed between the core member main part and the outer sheath;

9 wherein the outer sheath is deformable, and a force applied to the outer sheath
10 causes load movement of the gel.

1 2. The pliable handle of claim 1, wherein the first and second sealers are

2 coupled together though the center of the core member main part.

1 3. The pliable handle of claim 1, wherein the first and second sealers compress

2 a shoulder of the outer sheath between the first annular flange and the first sealer, thereby
3 sealing the bore formed in the first annular flange and securely containing the gel within the
4 gel-containing portion.

1 4. The pliable handle of claim 2, wherein the first and second sealers are

2 coupled together by a screw projecting from one of the first and second sealers.

1 5. The pliable handle of claim 1, wherein the deformable outer sheath and gel
2 together have a memory effect causing a deformation to remain for a period of time before
3 the sheath returns substantially to its original shape.

1 6. The pliable handle of claim 1, wherein the gel is in intimate contact with the
2 core member.

1 7. The pliable handle of claim 1, further comprising an end cap that is
2 connected to one of the first and second sealers.

1 8. The pliable handle of claim 7, wherein the outer sheath has at its ends a first
2 shoulder and a second shoulder, respectively, and an outer diameter of the end cap is
3 substantially similar to the diameter of one of the first and second shoulders.

1 9. The pliable handle of claim 7, wherein the end cap has at a first end a
2 shoulder and a concentric annular lip that defines a hole and has a diameter that is smaller
3 than that of the shoulder.

1 10. The pliable handle of claim 9, wherein the diameter of a second end of the
2 end cap is substantially similar to the diameter of a shoulder of the outer sheath.

1 11. The pliable handle of claim 1, wherein the at least one gel injection through
2 bore receives gel during an assembly process.

1 12. The pliable handle of claim 1, wherein the core member main part and first
2 and second sealers are formed of a material selected from the group consisting of PVC,
3 ABS, PE, and PP plastic.

1 13. The pliable handle of claim 1, wherein the outer sheath is substantially
2 cylindrical in shape.

1 14. The pliable handle of claim 1, wherein the diameter of each of first and
2 second shoulders of the outer sheath correspond with the diameter of the respective first and
3 second annular flange of the core member main part.

1 15. The pliable handle of claim 1, wherein the outer sheath is formed of
2 vulcanized silicone.

1 16. The pliable handle of claim 1, wherein the outer sheath is one of colorless,
2 colored, and multicolored.

1 17. The pliable handle of claim 1, wherein the outer sheath is transparent.

1 18. The pliable handle of claim 1, wherein the outer sheath is opaque.

1 19. The pliable handle of claim 1, wherein the gel is uniformly disposed about
2 the core member main part.

20. The pliable handle of claim 1, wherein the sheath is uniformly disposed about the core member main part substantially from a first to a second end of a gel-containing portion.

21. The pliable handle of claim 1, wherein the pliable handle is an umbrella handle.

22. The pliable handle of claim 1, wherein the pliable handle is a tool handle.

23. The pliable handle of claim 1, wherein the pliable handle is selected from the group consisting of a handle of a cane, walking stick, sports equipment, garden equipment, kitchen tool, cleaning equipment, writing instrument, and beauty equipment.

24. The pliable handle of claim 1, wherein the outer sheath has ribs formed on the outer surface thereof.

25. The pliable handle of claim 1, wherein the pliable handle is attached to a curved handle portion.

26. A pliable umbrella handle comprising:
a core member having a core member main part and first and second sealers at respective ends of the core member main part;
an outer sheath disposed about the core member main part; and

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a gel disposed between the core member main part and the outer sheath;
wherein the outer sheath is deformable, and a force applied to the outer sheath
causes load movement of the gel.

27. A method for forming a pliable handle comprising the steps of:
providing a core member main part having first and second annular flanges provided
near respective ends of the core member main part, and at least one gel injection through
bore formed through the first annular flange;
providing an outer deformable sheath over the core member main part to define a
gel-containing portion between the outer sheath and the core member main part;
injecting gel into the gel injection through bore, wherein the injected gel travels
through the gel injection through bore and into the gel-containing portion; and
providing first and second sealers at respective ends of the core member main part to
seal the gel within the gel-containing portion.

28. A method for forming a pliable umbrella handle comprising the steps of:
providing a core member main part having first and second annular flanges provided
near respective ends of the core member main part, and at least one gel injection through
bore formed through the first annular flange;
providing an outer deformable sheath over the core member main part to define a
gel-containing portion between the outer sheath and the core member main part;
injecting gel into the gel injection through bore, wherein the injected gel travels

